Rheumatology INTERNATIONAL

Clinical and Experimental Investigations

Volume 16 1996/97

Editorial board

B. Bresnihan, Dublin; E. G. L. Bywaters, Beaconsfield; K. Fehr, Zurich; J. R. Kalden, Erlangen; E.-M. Lemmel, Baden-Baden; K. D. Muirden, Melbourne; J. B. Natvig, Oslo; R. Winchester, New York; M. Ziff, Dallas, TX

Advisory board

D. Alarcón-Segovia, Mexico City; B. M. Ansell, Harrow; J. R. Batchelor, London; J. J. de Blécourt, Groningen; L. Bonomo, Rome; D. Brackertz, Mainz; T. D. V. Cooke, Riyadh; S. D. Deodhar, Chandigarh; J. P. Edmonds, Kogarah; T. E. W. Feltkamp, Amsterdam; J. Gergely, Göd; H. Greiling, Aachen; K. Hirohata, Kobe; E. J. Holborow, London; G. R. V. Hughes, London; M. F. Kahn, Paris; T. D. Kinsella, Calgary, Alberta; P.-H. Lambert, Geneva; R. N. Maini, London; D. G. Palmer, Dunedin; P. A. Revell, London; A. S. Russell, Edmonton, Alberta; J. Sany, Montpellier; L. C. Schulz, Hannover; J. D. Stobo, San Francisco, CA; N. Talal, San Antonio, TX; E. M. Tan, Denver, CO; R. Timpl, Martinsried; J. H. Vaughan, La Jolla, CA; B. Vernon-Roberts, Adelaide; T. L. Vischer, Geneva; O. Wegelius, Helsinki; R. C. Williams, Jr., Albuquerque, NM; J. B. Winfield, Chapel Hill, NC; M. Zembala, Cracow; N. J. Zvaifler, San Diego, CA

Springer

Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), all translation rights as well as the rights to publish the article in any electronic form. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special regulations for photocopies in the USA

Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0172-8172, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Springer-Verlag Berlin Heidelberg New York London Paris Tokyo Hong Kong Barcelona Budapest
Printed in Germany by Graphischer Betrieb Konrad Triltsch, D-97070 Würzburg, Germany
© Springer-Verlag Berlin Heidelberg 1996/97
Springer-Verlag GmbH & Co. KG, D-14197 Berlin, Germany

Contents

Abbreviations in parenthesis refer to following sections: (CR) Case report; (L) Letter to the editor; (O) Original; (R) Review; (SC) Short communication.

Abe LM → Tanabe BK
Abendroth K → Oelzner P
Aicher WK → Haas C
Akahoshi T, Nagaoka T, Namai R, Sekiyama N, Kondo H: Prevention of neutrophil apoptosis by monosodium urate crystals (O) 231
Alvarez-Ossorio L → Brand J-M
Andoh Y → Ishikawa H
Antoni C → Kalden-Nemeth D
Arendzen JH → Winters JC
Avrahami E → Elkayam O

Baricchi R → Salvarani C
Bauer K → Kittl EM
Bayer PM → Dunky A
Bernardi C → Ghirardello A
Bock E → Meusser S
Boiardi L → Salvarani C
Brand J-M, Neustock P, Kruse A, Alvarez-Ossorio L, Schnabel A, Kirchner H: Stimulation of whole blood cultures in patients with ankylosing spondylitis by a mitogen derived from *Mycoplasma arthritidis* (MAS) and other mitogens (O) 207
Braun J → Gimsa U
Bridts CH → De Gendt CM
Brückle W → Strobel E-S
Brühlmann P → Neidhart M
Brunati C → Salvarani C
Buchanan RRC → Savige JA
Burt HM → Winternitz CI

Çalgüneri M → Ertenli İ
Caner N → Özoran K
Catani C → Ghirardello A
Çelik G, Kalaycioğlu O, Durmaz G: Colchicine in Behçet's disease with major vessel thrombosis (L) 43
Çelik İ → Ertenli İ
Chang L → Savige JA

De Clerck LS → De Gendt CM
De Gendt CM, De Clerck LS, Bridts CH, Van Osselaer N, Stevens WJ: Relationship between interleukin-8 and neutrophil adhesion molecules in rheumatoid arthritis (O) 169
de L Costello AM → Pilkington C
Dinkel A → Haas C
Doria A → Ghirardello A
Düzgün N, Duman M, Sonel B, Peksarı Y, Erdem C, Tokgöz G: Lupus vulgaris in a patient with systemic lupus erythematosus and persistent IgG deficiency (CR) 213
Duman M → Düzgün N
Duman M → Şentürk T
Dunky A, Neumüller J, Hübner C, Fischer GF, Bayer PM, Wagner E, Schwartz DWM, Mayr WR: HLA-B27 determination using serological methods. A comparison of enzyme immunoassay and a microlymphocytotoxic test with flow cytometry and a molecular biological assay (O) 95
Durmaz G → Çelik G

Ebringer A → Wilson C
Eibel H → Haas C
Einsele H → Wagner S
Elkayam O, Avrahami E, Yaron M: The lack of prognostic value of computerized tomography imaging examinations in patients with chronic non-progressive back pain (O) 19
Engelhardt A → Meusser S
Erdem C → Düzgün N
Ertenli İ, Haznedaroğlu İ C, Kiraz S, Çelik İ, Çalgüneri M, Kirazli Ş: Cytokines affecting megakaryocytopoiesis in rheumatoid arthritis with thrombocytosis (O) 5

Fagiolo U → Ghirardello A
Feistel H → Meusser S
Fischer GF → Dunky A
Fleckenstein W → Strobel E-S
Franke S → Müller A
Fritz P → Plenz A
Fritz P → Wagner S

Gambari PF → Ghirardello A
Gause A → Zdichavsky M
Ghirardello A, Doria A, Vesco P, Vaccaro E, Bernardi C, Catani C, Fagiolo U, Gambari PF: Blotting patterns of IgG anti-(U1)RNP antibodies in mixed connective tissue disease (O) 145
Gimsa U, Sieper J, Braun J, Mitchison NA: Type II collagen serology: a guide to clinical responsiveness to oral tolerance? (O) 237
Girschick HJ, Huppertz HI, Rüssmann H, Krenn V, Karch H: Intracellular persistence of *Borrelia burgdorferi* in human synovial cells (O) 125
Granfors K → Mäki-Ikola O
Grebmeier J → Kalden-Nemeth D
Grella P → Ruffatti A
Groenier KH → Winters JC

Haas C, Aicher WK, Dinkel A, Peter HH, Eibel H: Characterization of SV40 T antigen immortalized human synovial fibroblasts: maintained expression patterns of EGR-1, HLA-DR and some surface receptors (O) 241
Haberhauer G → Kittl EM
Haznedaroğlu İ C → Ertenli İ
Heesemann J → Mäki-Ikola O
Hein G → Müller A
Hein G → Oelzner P
Henzgen S → Müller A
Herrmann D → Müller A
Hinterberger W → Kittl EM
Hirata S → Ishikawa H
Holstege A → Lock G
Huang QR, Morris D, Manolios N: Evaluation of the BCL-2 gene locus as a susceptibility gene linked to the clinical expression of systemic lupus erythematosus (SLE) (O) 121
Hübner C → Dunky A
Huppertz HI → Girschick HJ

Inagaki C → Tanabe T
Isenberg DA → Pilkington C
Isenberg D → Wilson C
Ishikawa H, Hirata S, Andoh Y, Kubo H, Nakagawa N, Nishibayashi Y, Zuno KM: An immunohistochemical and immunoelectron microscopic study of adhesion molecules in synovial pannus formation in rheumatoid arthritis (O) 53

Jackson JK → Winternitz CI
Joosten LAB → Van Meurs JBJ

Kalaycioğlu O → Çelik G
Kalden J R → Meusser S
Kalden JR → Kalden-Nemeth D
Kalden-Nemeth D, Grebmeier J, Antoni C, Manger B, Wolf F, Kalden JR: NMR monitoring of rheumatoid arthritis patients receiving anti-TNF-α monoclonal antibody therapy (O) 249
Kammerl M → Lock G
Karch H → Girschick HJ
Kimura LH → Tanabe BK
Kınıklı G → Şentürk T
Kiraz S → Ertenli İ
Kirazli Ş → Ertenli İ
Kirchner H → Brand J-M
Kittl EM, Haberhauer G, Ruckser R, Selleny S, Rech-Weichselbraun I, Hinterberger W, Bauer K: Serum levels of soluble CD44 variant isoforms are elevated in rheumatoid arthritis (O) 181
Koch B → Zdichavsky M
König G → Plenz A
Kondo H → Akahoshi T
Krapf M → Strobel E-S
Krenn V → Girschick HJ
Kruse A → Brand J-M
Kubo H → Ishikawa H

Lang B → Lock G
Lasagni D → Salvarani C
Laschner W → Plenz A
Lenardo L Di → Ruffatti A
Lock G, Zeuner M, Kammerl M, Lang B, Schölmerich J, Holstege A: Gallbladder motility in systemic sclerosis (O) 61

Macchioni P → Salvarani C
Mäki-Ikola O, Heesemann J, Toivanen A, Granfors K: High frequency of *Yersinia* antibodies in healthy populations in Finland and Germany (O) 227
Malaviya A N → Shyam C
Manger B → Kalden-Nemeth D
Manger B → Meusser S
Manolios N → Huang QR
Mayr WR → Dunky A

Meusser S, Rubbert A, Manger B, Bock E, Platsch G, Feistel H, Engelhardt A, Wolf F, Kalden J R: 99m-Tc-HMPAO-SPECT in diagnosis of early cerebral vasculitis (O) 37
Meyboom-de Jong B → Winters JC
Mishima K → Tanabe T
Mitchison NA → Gimsa U
Morris D → Huang QR
Müller A, Hein G, Franke S, Herrmann D, Henzgen S, Roth A, Stein G: Quantitative analysis of pyridinium crosslinks of collagen in the synovial fluid of patients with rheumatoid arthritis using high-performance liquid chromatography (O) 23
Müller W → Strobel E-S

Nagaoka T → Akahoshi T
Nakagawa N → Ishikawa H
Namai R → Akahoshi T
Neidhart M, Pataki F, Schönbächler J, Brühlmann P: Flow cytometric characterisation of the „false naive" (CD45RA+, CD45RO–, CD29 bright+) peripheral blood T-lymphocytes in health and in rheumatoid arthritis (O) 77
Neumüller J → Dunky A
Neustock P → Brand J-M
Nickels A → Zdichavsky M
Nishibayashi Y → Ishikawa H

Oelzner P, Abendroth K, Hein G, Stein G: Predictors of flares and long-term outcome of systemic lupus erythematosus during combined treatment with azathioprine and low-dose prednisolone (O) 133
Özoran K, Uçan H, Tutkak H, Caner N, Yücel M: Systemic lupus erythematosus arising in a patient with chronic silicosis (L) 217
Ogawa R → Tanabe T
Otani H → Tanabe T

Pataki F → Neidhart M
Peksarı Y → Düzgün N
Perler M → Seitz M
Peter HH → Haas C
Pfreundschuh M → Zdichavsky M
Piccinini R → Salvarani C
Piccoli A → Ruffatti A
Pichler W → Seitz M
Pilkington C, Taylor PV, Silverman E, Isenberg DA, de L Costello AM, Rook GAW: Agalactosyl IgG and materno-fetal transmission of autoimmune neonatal lupus (O) 89
Platsch G → Meusser S
Plenz A, Fritz P, König G, Laschner W, Saal J G: Immunohistochemical detection of factor XIIIa and factor XIIIs in synovial membranes of patients with rheumatoid arthritis or osteoarthritis (O) 29
Portioli I → Salvarani C

Rao URK → Reddy SC
Rech-Weichselbraun I → Kittl EM
Reddy SC, Rao URK: Ocular complications of adult rheumatoid arthritis (O) 49
Reinker KA → Tanabe BK
Rook GAW → Pilkington C
Roth A → Müller A
Rubbert A → Meusser S
Ruckser R → Kittl EM
Rüssmann H → Girschick HJ
Ruffatti A, Scapinello M P, Tonetto S, Lenardo L Di, Piccoli A, Grella P, Todesco S: Trends in immunoglobulin G anticardiolipin antibodies in ten successful heparin-treated pregnancies (O) 15

Saal J G → Plenz A
Saal JG → Wagner S
Salvarani C, Baricchi R, Lasagni D, Boiardi L, Piccinini R, Brunati C, Macchioni P, Portioli I: Effects of desferrioxamine therapy on chronic disease anemia associated with rheumatoid arthritis (O) 45
Savige JA, Chang L, Wilson D, Buchanan RRC: Autoantibodies and target antigens in antineutrophil cytoplasmic antibody (ANCA)-associated vasculitides (O) 109
Scapinello M P → Ruffatti A
Schnabel A → Brand J-M
Schölmerich J → Lock G
Schönbächler J → Neidhart M
Schorpp C → Zdichavsky M
Schwartz DWM → Dunky A
Seitz M, Perler M, Pichler W: Only weak association between disease severity and HLA-DRB 1 genes in a Swiss population of rheumatoid arthritis patients (O) 9
Sekiyama N → Akahoshi T
Sell S → Wagner S
Selleny S → Kittl EM
Şentürk T, Kınıklı G, Turgay M, Tutkak H, Duman M, Tokgöz G: Evaluation of interleukin-6 in rheumatoid arthritis as an activity criterion (O) 141
Shyam C, Malaviya A N: Infection-related morbidity in systemic lupus erythematosus: a clinico-epidemiological study from northern India (O) 1
Sieper J → Gimsa U
Silverman E → Pilkington C
Sobel JS → Winters JC
Sonel B → Düzgün N
Stein G → Müller A
Stein G → Oelzner P
Stevens WJ → De Gendt CM
Strobel E-S, Krapf M, Suckfüll M, Brückle W, Fleckenstein W, Müller W: Tissue oxygen measurement and ^{31}P magnetic resonance spectroscopy in patients with muscle tension and fibromyalgia (O) 175
Suckfüll M → Strobel E-S

Tanabe BK, Abe LM, Kimura LH, Reinker KA, Yamaga KM: Cytokine mRNA repertoire of articular chondrocytes from arthritic patients, infants, and neonatal mice (O) 67
Tanabe T, Otani H, Mishima K, Ogawa R, Inagaki C: Mechanisms of oxyradical production in substance P stimulated rheumatoid synovial cells (O) 159
Taylor PV → Pilkington C
Thakore A → Wilson C
Todesco S → Ruffatti A
Toivanen A → Mäki-Ikola O
Tokgöz G → Düzgün N
Tokgöz G → Şentürk T
Tonetto S → Ruffatti A
Turgay M → Şentürk T
Tutkak H → Özoran K
Tutkak H → Şentürk T

Uçan H → Özoran K

Vaccaro E → Ghirardello A
Van den Berg WB → Van Meurs JBJ
van den Berg WB → van Osch GJVM
Van der Kraan PM → Van Meurs JBJ
van der Kraan PM → van Osch GJVM
Van Lent PLEM → Van Meurs JBJ
Van Meurs JBJ, Van Lent PLEM, Joosten LAB, Van der Kraan PM, Van den Berg WB: Quantification of mRNA levels in joint capsule and articular cartilage of the murine knee joint by RT-PCR: kinetics of stromelysin and IL-1 mRNA levels during arthritis (O) 197
van Osch GJVM, van der Kraan PM, van Valburg AA, van den Berg WB: The relation between cartilage damage and osteophyte size in a murine model for osteoarthritis in the knee (O) 115
Van Osselaer N → De Gendt CM
van Valburg AA → van Osch GJVM
Vesco P → Ghirardello A

Wagner E → Dunky A
Wagner S, Fritz P, Einsele H, Sell S, Saal JG: Evaluation of synovial cytokine patterns in rheumatoid arthritis and osteoarthritis by quantitative reverse transcription polymerase chain reaction (O) 191
Wilson C, Thakore A, Isenberg D, Ebringer A: Correlation between anti-*Proteus* antibodies and isolation rates of *P. mirabilis* in rheumatoid arthritis (O) 187
Wilson D → Savige JA
Winternitz CI, Jackson JK, Burt HM: The interaction of monoclinic calcium pyrophosphate dihydrate crystals with neutrophils (O) 101
Winters JC, Sobel JS, Groenier KH, Arendzen JH, Meyboom-de Jong B: The course of pain and the restriction of mobility in patients with shoulder complaints in general practice (O) 219
Wolf F → Kalden-Nemeth D
Wolf F → Meusser S

Yamaga KM → Tanabe BK
Yaron M → Elkayam O
Yücel M → Özoran K

Zdichavsky M, Schorpp C, Nickels A, Koch B, Pfreundschuh M, Gause A: Analysis of bcl-2^+ lymphocyte subpopulations in inflammatory synovial infiltrates by a double-immunostaining technique (O) 151
Zeuner M → Lock G
Zuno KM → Ishikawa H

Announcement 174